## **AUTHOR INDEX**

Abdel-Hamid, A.Z.	373,	597	Ciancaglini, P.		503
Adessi, G.L.		199	Civinini, A.		247
Adolphe, M.		173	Coll, M.D.		207
Aita, M.		137	Conti-Devirgiliis, L.		603
Alino, S.F.		441	Cormery, B.		199
Almena, A.		441	Couble, M.L.		457
Andrade-Gordon, P.		431	Cox, M.J.		431
Angelini, A.		449	Csaba, G.	293,	511
Angulo, E.		555	Curini, R.	-	391
Armellini, R.		487	Curti, C.		503
Asashima, M.		669			
Auriault, C.		97	D'Alfonso, A.		113
•			David, H.		255
Bamberg, E.		515	Decken von der, A.		63
Banno, Y.		293	De Lucca, F.L.		573
Barbero, M.C.		441	Del Valle-Soto, M.E.	627,	635
Barioglio de, S.R.		367	De Matteis, G.		113
Barre-Sinoussi, F.		163	De Weer, P.		515
Becchetti, E.		187	Diez, J.M.		89
Becker, J-L.		163	Dini, L.	47,	, 603
Bengoechea, M.E.		39	Dubovy, P.		627
Benkoel, L.		563			
Berra, B.		379			
Best-Belpomme, M.		163	Egozcue, J.		207
Bhargava, P.M.		285	El-Ansary, A.		181
Blanc-Brunat, N.		469	El-Dardire, Z.		181
Bodo, M.		187	Ellis-Davies, G.C.R.		515
Bollon, A.P.		75	Esposito, V.		409
Bourbouze, R.		173	Esterre, P.		231
Bourges, M.		231	Evangelisti, R.		187
Brisse, J.		563			
Bruscalupi, G.		47	Falcoff, E.		97
Brynes, P.J.		431	Falugi, C.		147
			Falzetti, F.		487
Cajaraville, M.P.		555	Ferrarese, R.		449
Carinci, P.		187	Ferreras, J.M.		89
Chamlian, A.	239,	563	Fiol de Cuneo, M.		367
Chavrier, C.		457	Fletcher, G.L.		547
Chermann, J.C.		163	Franze, A.		137
Choux, R.	R.	563	Fujii, S.	s.	121

Gabrielli, F.		137	Lescault, A.			163
Galdieri, M.		399	Levacher, C.			81
Gallo, V.P.		247	Lewitzki, E.			515
Garcia, M.		441	Liotti, F.S.			487
Gaton, E.		129	Lucca de, F.L.			573
Gerber, G.		255				
Girbés, T.		89	Magloire, H.			97
Gonzalez, C.S.		55	Mahfoudi, A.			199
Grecchi, M.J.		503	Mahmoudi, M.			75
Grell, E.		515	Malinovsky, L.			627
	97,					247
Grimaud, J-A.	37,	231	Manelli, H.			379
Guerret, S.		487	Mariani, C.			
Guerrieri, P.			Marigomez, J.A.			555
Gulian, J.M.		563	Martinez-Telleria, A.			39
Gupta, P.D.		285	Martin-Kearly, J.			547
			Mastrolia, L.			247
Haddox, M.K.		611	Masuda, A.			679
Hansson, E.		1	Mateo, F.			33
Harisch, G.		357	Materazzi, S.			391
Hartmann, D.J.		97	Matschiner, J.T.			421
Hato, F.	121, 523,	535,	Matsubara, T.			225
"	657,	679	Matsuyama, M.			679
Haubitz, I.		305	Matteis de, G.			113
Heilig, R.		313	Medina, M.		39.	635
Herbein, G.		581	Meléndez-Hevia, E.		55,	33
Hernandez, L.C.	627,		Melin, M.			97
Huang, H.Z.	027,	333		263,	301	
nuang, n. z.		333	Menghi, G.	203,	391,	487
Telesias D		89	Menghini, A.R.			
Iglesias, R.		225	Merino, M.J.			89
Ikeda, S.	271		Meyer, W.			357
Ishida, M.		279	Mezzogiorno, V.			409
Itoh, T.	523,		Minella, A.B.			137
Iwamoto, K.	271,	2/9	Momose, Y.			347
202			Montoya, G.A.			325
Jofre, A.		325	Morii, H.			121
Juri, H.		367	Morioka, K.			523
			Motoo, Y.			75
Kaplan, J.H.		515	Moulinoux, J.Ph.			215
Khan, N.A.	215,	485	Mutin, M.			469
Kimoto, H.		225				
Kimura, S.	121,	535				
Kinoshita, Y.	121, 523,	535,	Nabih, I.	181.	373,	579
"		679	Nagata, T.			347
Kirazov, E.		643	Naito, J.			347
Kirazov, L.		643	Narahara, K.			225
Kovacs, P.	293.	511	Nicollier, M.			199
Koyama, H.	,	669	Niu, L.C.			333
Kretschmer, M.		357	Niu, M.C.			333
Kuchler, S.		581	Norell, M.			63
	271	279				55
Kuramochi, T.			Norris, B.C.		•	
Kuyama, T.	2/1,	279	Nozawa, Y.			293
I annuana I I		267				
Lacuara, J.L.	262	367				
Lai, G.	263,	495	Oda, T.			225
Larno, S.		173	Omodeo-Salè, F.			379
Laszlo, V.		511	Ono, K.			163
Lechat, P.		173	Orlacchio, A.			187
Lehner, N.		313	Oshitani, N.			657
Leone, F.A.		503	Osther, K.			75

Palermo, D.	137	Takeishi, M.	271,	279
Papaccio, G.	409	Taniyama, T.		535
Passos Jr., G.A.S.	573	Thiard, M.C.		199
Payan, M.J.	563	Tipnis, U.R.		611
Percheron, F.	173	Tohno, S.		27
Perez-Casas, A.	39, 627	Tohno, Y.		27
Peyrol, S.	469	Tominaga, K. 523,	535,	679
Pezo, A.A.	325	Torres, N.V.		33
Pezzetti, F.	187	Tottmar, O.		1
Pfeiffer, C.J.	669	Toyokawa, T.		121
Piciotti, D.	263, 495	Tozzi, E.		113
Picon, L.	81	Tozzi-Ciancarelli, M.G.		113
Pizauro, J.M.	503	Trentalance, A.		47
Pomili, G.	449	Troiani-Sevi, E.		113
Quemener, V.	215	Uerlings, J.		255
Querol, E.	207			
		Vaisius, A.		547
Rambotti, M.G.	449	Valle-Soto del, M.E.	627.	635
Raul, F.	313	Varon, D.		129
Ravaglia, F.	263		627,	635
Renda, T.	17, 297	Vega, M.M.		555
Rodriguez, C.	39, 635	Vela, G.R.		75
Rönnbäck, L.	1	Venkov, L.		643
Ruf, H.	515	Vilardell, J.		207
Rukmini, V.	285	Villena, F.		325
, , ,		Vincendon, G.		581
Saccardi, C.	449	Vinzani, R.		603
Salvi, E.	17, 297	Von der Decken, A.		63
Sarlieve, L.L.	581			
Scheit, K.H.	285	Wack, S.		305
Schmidt, H.	255	Weer de, P.		515
Schwartz, J.	129	Wegmann, R.		687
Shimada, K.	669	Werner, A.		255
Shivaji, S.	285	Willingham, A.K.		421
Siems, W.	255	Wolman, M.		129
Söderbäck, M.	1	Wu, C.W.		431
Soliman, A.M.	373, 597	na, orni		
Spreca, A.	449	Xue, G.X.		333
Sztalryd, C.	81	nuc, o.n.		
bztarryd, o.	0.2	Yukawa, M.	271	, 279
Tabata, T.	121	iukawa, m.		
Takagi, K.	271, 279	Zanetta, J.P.		581
idragi, w.	,,	Zucchhi, T.M.A.D.		573



## SUBJECT INDEX

Acetylcholinesterase 39,129,24	47,679	Asialoglycoprotein	603
BN AcetylD-glucosamidase	187	Aspartate aminotransferase	181
	39,129	Aspergillus nidulans	573
Actin	173	Autoradiography	225,333
Activator of protein kinase C	215	Axins	581
Acyltransferase	47		301
Adipocyte	81		
Adrenal gland	245	Basement membrane	469
Aged erythrocyte membranes	113	Beta-cells pancreas	409
Age related CNS changes	643	Binding sides	147,503
Agonists of choline	679		,373,597
Alapine aminotransferase	181	Biosynthesis of fatty acids	81
Alkaline phosphatase 1,173,23		Blood haemoglobin	597
" of streptavidi		Book review	687
Alleles wild type	573		285
	367	Bovine spermatozoa	
Allium cepa bulbs	147	Brain development	643
Alpha bungarotoxine		nexormase	33
db cAMP	55	proteins	643
Amiloride on toad skin	55	Stem retai rat	1
Analysis of thromboelastography		Bungarotoxine-alpha	679
Angiotensin II on toad skin	55	Butyrate of sodium	173
Anisotropy	113		
Antagonist of calmodulin	215		
Antibodies labelled	469	Cadmium toxicity	555
Antibody monoclonal RPA-T4	271	Caecum of chicken	17
" HuLy-m8	271	Caged Ca	515
Anti-cholecystochinine	17	Ca complex	515
Anticoagulant effects	263	" concentration jumps	515
" properties	495	Calmoduline antagonist	215
Antidiuretic hormone on toad sk	in 55	Canine lymphocytes	271
Antifreeze protein	547	Carbamylcholine	679
Antigastrine in intestine	17	3 LL Carcinoma	441
Antigenic determinant	535	Cartilage induction	503
Antigen preservation	231	Casein kinase II	611
" of cell	271	Catalase	487
Antimitotic substance	399	Catecholamine on toad skin	55
Antimoteline	17	Caudiverbera	325
Antineurotensin	17	CBAAQ	441
Antioxidant enzymes	487	CDNA globine	333
Antiserum against neuron	101	Cell blastoid	75
specific enolase	1	" chromaffin	247
Antisomatostatine	17	" culture	163
Antisubstance -P-like	17	" Ehrlich ascites tumor	
	503		255
Apoenzyme activity	255	neiper i	271
Ascites of Ehrlich	487	or redcemia	215
numan cells		profiferation	487
" " rat	27	" size and enzyme	39

	071		
Cell suppressor T	271	DM nitrophen	515
Cerebellum lectin	581	DNA Al	63
Cerebral cortex of fetal rat	1 563	dupiication	399
Cerium ions C-HA-RAS oncogenes	75	repeated sequences	125 313
Chemosomal information	573	cDNA sequences	635
Chemotography	611	Dorsal root ganglia Drosophila	163
Chick embryo	187	Drug inhibiting lysosome enzymes	129
Chicken intestine	1,297	Duplication DNA	399
Chlorid transport in toad skin	55	Dupireación DNA	3,,
Chloroquin on muscle enzyme	129		
Cholesterol	379	Effects of anticoagulants	263
" lectine transferase	47	Eggs of goldfish	333
Cholinergic agonists	679	Ehrlich ascites tumor cells	255
" system	147	Elastase release	431
Cholinesterase	39	Electron microscopy	563
Cholinoreceptor	147	" " chromatineloop	27
Chondrocytes	173	" " LCAT	47
Chromaffin vesicles	247	Electrophoresis in gel	581
Chromatine in rat liver	63	Electrophoretic pattern	207
" loop IM studies	27	Embryo of chick skin	187
Chromosomes	333	Endocrine cells chicken intestine	17
Cloning of human cosmid	313	Endogenous ligands	581
mRNA	333	Endoplasmic reticulum	563
C-myc oncogene	75	Endothelial cells	603
Coagulation of blood	421	Endplates	129
Collagenase	421	Enolase neuron specific	1
	57,469	Enterochromaffin cells	279
proffication	97	Enzymatic histochemistry	357
" inhibition Colon of chicken	97 17	Enzymes inhibitor of lysosomes	129
	333	Epithelial thymic cells	523
Complementary sequence	515	Erythrocytes membranes	113
Complex formation study of synapses	207	" senescence	113
	23,657	Essential fatty acids	379 199
Control coefficient	33	Estradiol on uterus	409
Corpuscle of Hassal	137	Exocrine pancreas	469
	313	Extracellular matrix " antigens	231
Cosmid cloning (a 32P) dCTP	225	antigens	231
	63,431		
	47,679	Factor VII	421
" primary of neuron	1	" X	421
	47,679	Fatty acids	379
Cyclosporin A	409	" " biosynthesis	81
Cytochemistry	563	Feline	279
Cytotrophoblast placenta	449	Fetal capillaries	449
		" liver	379
		" rat	1
Denervation changes	129	Fibrillations	129
" atrophy	129	Fibronectin	469
Densitometry	357	Fibroblasts in muscle	399
Dental pulp fibroblast	97	Flucs of glucose	33
Deoxynucleoside triphosphate	163	Fluidity of membranes	113
Development of brain	643	Fluorescence of membranes	113
" eggs	333	" polarization	113
sea urchin	147	Fluorogene	431
CNS	581	Forebrain	643
Diabetes protection	121	Fraction V of thymosine	121
Diabetization	409	Fresh water snails 181,37	3,597
Diet on lipids " rat liver chromatine	379 63		
rat liver chromatine	563		
Diethylpyrocarbinate	81	Galactose receptors	603
Differentiation of adipocytes	555	Gametes	147
Digestive glands	333	Gamma-interferon	97

Canalian of damas   most	20	Immuno cytoenzymology	1
Cal alastrophorosis	39 581	" ferritin methods	285
Gel electrophoresis " filtration column	523		,285
" permeation-HPLC	441		,457
Genes	313		,469
Gene transcription	547	" reactive cells	297
Germ cells	399	" reaction	137
Gestation	603	" reactivity	325
Gingiva disease	457	" staining	231
Glands of mouse	397	" suppression	409
Glial fibrillary acid protein	n 1,627	" typing	457
" " " "	635		,503
Globin cDNA 14	333	I.M. studies of chromatine loop	27
Glucosamine 14C	215	Inactivating proteins inactivated	
Glucosaminidase	187	by ribosomes	
Glucose amino glycane	187	Inbalance of thymus hormone	121
" metabolism flux	33	Induced hyperglycemia	121 657
- o-phosphatase	563	Induction of response Inflammation	457
-Glucuronidase	555	Information transfer	503
Glutathione peroxidase	487	Inhibition of collagen	97
Glycoconjugates	263,495	" fibronectine	97
Glycolipids	379	" Gross	173
Goldfish egg	333 173	" lysosomes	129
Gross inhibition (r-32p) GTP	611	" protein kinase C	215
Guanylate cyclase	449		3,503
Guinea pig thymus	137		7,297
" " uterus	199	" pig	313
acerus	177	" rat	313
		Interferon gamma	97
Haemoglobulin	597	Interleukine-2 receptor	297
Hassal's corpuscle	137	Interphase	367
Helper T cell	271	Intracellular free Ca	515
Haemocoagulation process	495	In vivo growth of Ehrlich	
" screening t	ests 263	ascites T cells	255
Hemolymph	181	Irradiation of snails	373
He-neon laser	367	Ischemia	357
Hepatocytes	33,421	Islets of Langerhans	409
Hepatoma cell	27	Isocitrate dehydrogenase	305
Hexokinase	33	Isomaltase	313
High density protein	47		
Hippocampus rat	1	Juxtaglomerular apparatus	469
Histone pattern	207	Suxtagromerurar apparatus	403
	23,535,657		
Homogenate of tissues	181 293,503	Kidney hexokinase	33
Hormonal imprinting Hormone anti- diuretic	55	" rat	469
of thymus	137		
Human antigens	231		
" dental pulp fibroblast		Labelled antibodies	469
" gamma-interferon recom		Lactate dehydrogenase	181
" liver	563	Lactation	603
" parotid	495	L-adrenalin	55
" placenta	449	Lamb thymus	137
Hybridization	313	Laminin	469
" in situ	225	Langerhans cytotrophoblast	449
Hydroxytryptamin	297	" islets	409
Hyperglycemia induced	121	Laser radiation	367
Hypophysectomy	547	Lead ions	563
		Lecithin cholesterol acyl-	4.7
		transferase	47 581
Ileum of chicken	17	Lectin	487
Immobilized fluorogene	431	Leukemia cells "" in murine	215
Immuno chemistry	17,581	In mutthe	213

Idaht migroscony	347	Monocyte	431
Light microscopy Lipid core of membrane	113	Morphometric analysis	255
" in snails	373	Morphometry	39
Lipoprotein	47	Mouse antigens	231
Littorina	555	" ascites	255
Liver cell membrane	421	" glands	391
" fetal rat	379	" parotid	495
" hexokinase	33	Multigenic family	313
" homogenate	421	Murine leukemia cells	215
" macrophage	603	Muscle fibroblast	399
" of human	563	nexokinase	33
" in RNA	547	or rat	129
" lobule	305	Mutant protoplast cells	573
" of rat	347,603	secretion	293
" " extract	89	Myelination	581
" regeneration rat	47	Myeloid leukemia	487
Lonidamine	399		
Liquid chromatography	255	NADP-ICD	205
Lymphoblastoid cells	75		305 75
Lymphocytes of canines	271	Namalwa RNA-hybridization Nerve	669
Lymphocytotoxicity	271,279	Neuroaminidase	215
Lymphoid organ	679		627
Lysosomal enzyme	129,293	Neurofilament protein Neuron specific enolase	1
" inhibition	129	Nicotine cholinoreceptor	147
" system	555	Northern blot analysis	547
		Nuclear envelope	563
		" protein in rat liver	63
Macrophage cell line	611	Nucleosome	27
" of rat	603	Nucleotide metabolism	255
MAG	581	Nutrition: diet effect	63
Magnesium	503		
Mammalian thymus	137		
Mast cells	325	Oligonucleotide	313
Matrix antigen	231	Oncogene expression	75
extracellular	496	Ontogenesis	17,297
Induced Cartifage	503	Ornithine decarboxylase	611
Maturation of thymocytes	657 441	•	
B16F10 melanoma	469		
Membrane " of chondrocyte	173	Paccinian corpuscles	627
" " erythrocyte	113	Pancreas cells	409
" " fluidity	113	Papilloma	669
" " hepatocyte	421	Paraneurons	297
" lysosome	555	Parotid gland	391,495
" rigidity	113	Pattern of histone	207
" sialic acids	215	Perionditis	457
Meristemic cells	367	Peroxidase of gluthatione	487
Metabolism of nucleotides	255	Phosphatase acid	39
Metaphase	367		225,503
Methionine system low diet	63	Phosphohydrolase	563
Method for elastase	431	Photobiotin	225
Micro injection	333	Photolytic liberation of Ca	515
Microspheres	431	Phytonemagglutinin	523,657
Microtubules	173	Pig intestine	313
Mitogene response	523	" thymus	137
" induction	657	Placenta of human	449
Mitotic activity	399	Plants toxine petrocoptis	89
" index	367	Plasma protein	547
" in placenta	449	P-nitrophenylphosphate	503 581
Molecular weight	421	PNS myelin	581
Mollusca	555	P.O.	581
Monoclonal antibodies	627,635	Polyacrylamide gel " spheres	431
" antibody HuLy-m8		Po A amine transport	215
" RPA-T4	271	104) amine cranoport	213

Polypeptides 421,523		Rhabdomyosarcoma	441
Posttetanic potentiation	325	Ribosomes	89
Potentiometry	515	inactivating proteins	89
Pre-adipocyte	81	mRNA of liver	3,333
Pregnancy	603	RNA	547 573
Prenatal development	379		9,285
Prevention of denervation changes	81	" Daudi	75
Primary culture	199	" hybridization	75
Progesterone on guinea pig Proliferation of collagen	97	" Nawalma	75
" " fibronectine	97	Rodents parotid	495
Proliferative activity	487	Rosette formation	523
Prophase	367	Run-on transcription	547
Protease activities	89	non on transcription	347
Protection of diabetes	121		
Proteinases	431	Salivary gland	391
Proteins	379	Satellite cells	635
" gene transcription	547	Schistosomiasis 181,37	
" glial fibrillary acidic	1		31,635
" inactivating	89	SDS-PAGE protein pattern	643
" kinase C	215	Sea urchin	147
" of brains	643	Secretion lysosomal enzymes	293
" skin	669	" mutant	293
" modifications	173	" of proteins	199
	,635	" patterns	441
" secretion	199	Selection of thymocytes	657
	,679	Seminal plasma	285
" tyrosine	199	Seminiferous tubules	399
Proterenol L-iso	55	Sertoli cells	399
Prothrombine time	495	Sialic acid of membranes	215
Protoplasts	573	SIF cells	325
P-substance	325	Skin lung of chicken	187
Purification of casein kinase II	611	" of chicken	187
		" protein	669
		" toad, chloride transport	55
Quantitative enzyme histochemistr	y305	Snails in fresh water	181
		Sodium butyrate	173
		Somatic cells	399
Rabbit parotid	495	Specific galactose receptors	603
" thymus	137	Spectrophotometry	515
Radioautography	347	Spermatozoa, of bovine	285
Rat	357	Spermidine 17C	215
" antigenes	231	S-100 protein	635
" intestine	313	Stereology	555
" kidney	469	Streptamidine	225
" liver 47,347		Streptomycine	129
" " cell free extract	89		21,409
chromatine	63	Striatum fetal rat	1
macropnage	603	Sublethal injury	555
nuclear proteins	63	Sublingual gland	391
muscre denervation	129		63,391
"parotid	495	Substance nigra fetal rat	225
RAW 264 line	611	r	325
Receptor of galactose	603	Succinodehydrogenase	357
" "interleukine-2	279	Sucrase	313 199
Recombinant gamma interferon	97	Sulphation of protein tyrosine	
Regeneration of rat liver	47		35,657
Regional aspects	357	Suppressor T cell Sympathetic ganglion	271 325
Release of elastase	431		325
Restriction in methionine system	63	Synaptic facilitations	207
Retrotransformation	573	Synaptomeal complex	449
Retrotransposons	163 163	Syncytiotrophoblast	97
Retrovirus-like particles Reverse transcriptase 163	3,333	Synthesis of collagen " protein	
veserge crangerthrage 10°	,,	procein	89,679

Telophase 367	Tyrosin protein sulphation 199 Tranilast 347
Talanhara 367	
Tolophoco 367	
Tetophase 507	Transcription assays 547
Temperature regulation 669	Transport of chlorides 55
Tetanic potentiation 325	" polyamine 215
Tetrahymena 293,511	Tubuline 173
Thermalhysteresis 547	Tumor cells 399,441,487
Thermogravimetry 391	
Triiodothyronine 81	
Thiouracil on muscle enzyme 129	Ultracytochemistry 449,563
Thromboelastography 495	Urodela 247
" analysis 263	Uterus of guinea pig 199
Thromboplastin time 495	UV light pulse 515
Thymic epithelial cell line	•
523,535,657,697	
Thymosin a 535	Vesicles of chromaffin cells 247
" fraction V 121	Vimentine 173
Thymic hormone 137	Virus induced transformation
Thymocytes 523,535,657,679	of macrophages 611
Thymostimuline 137	
Thymus hormone 657	
" " inbalance 121	Water content of glands 391
" of mammalians 137	Wild alleles type 573
Tissue culture 81,431,511,523	Winter flounder 547
" 535,657,679	
" factors 421	Xanthine oxydase 357
" homogenates 181	Adituitie Oxydase 557
" processing 231	
Toad ganglia 325	Y autosomal translocation 225
Toxicity of cadmium 555	
Toxine bindings side 147	Y specific DNA sequences 225
" of plants 89	
Transcriptase reverse 163	
Transfer of information 333	74-0 503
Transglutaminase 215	Zinc